# Wireless Keycard Switches

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#### The Keycard Switches shall be the Echoflex PTM265KCAU Series Keycard Switches by Echoflex Solutions, Inc., or equal.

#### Mechanical

##### Keycard Switches shall be a standalone switch with an exposed slot that accepts cards meeting ISO/IEC 7810: ID-1 card specifications

###### The slot shall not allow embossed cards to be inserted

###### Keycard Switches shall allow a card to be inserted and removed

##### Mounting plates shall be available from the manufacturer for surface mounting using screws

##### Keycard Switches shall be available in white

##### Keycard Switches shall be constructed of ABS plastic

##### Keycard Switches shall have a fully enclosed electronics assembly

#### Electrical

##### Keycard Switches shall use 902 MHz EnOcean radios. Systems that use other frequencies radios shall not be acceptable

###### Keycard Switches shall have a range of at least 80 feet laterally through walls and up to 300 feet in open space

##### Keycard Switches shall utilize kinetic energy harvesting and not require batteries or external power input

##### Keycard Switches shall comply with FCC Part 15.231 and IC RSS-210

#### Functional

##### Keycard Switches shall be able to switch relay loads on and off when used with compatible wireless load controllers

##### Keycard Switches shall provide Smart Click programming for configuration of compatible wireless load controllers

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